



FAG

HC6320-2Z-L038-C3

Deep groove ball bearing

Deep groove ball bearing HC63...2Z, Hybrid bearing, single row, shields, steel sheet metal cage

Informacje techniczne



Twoja aktualna wersja produktu

Material Bearing	HC	Hybrid bearing, rolling elements ceramic, bearing rings made of steel
Type of Seal	2Z	Non-contact shield on both sides
Cage	JN	Steel sheet metal
Tolerance class	PN	Normal (ISO 492:2023)
Dimensional / heat stabilization	S0	Rings dimensional stabilized up to 150°
Lubricant	L038	Grease (L038/customer specific)
Radial internal clearance	C3 (Group 3)	Internal clearance larger than CN
Bore type	Z	Cylindrical

Main Dimensions & Performance Data

d	100 mm	Bore diameter
D	215 mm	Outside diameter
B	47 mm	Width
C _r	202.000 N	Basic dynamic load rating, radial
C _{0r}	170.000 N	Basic static load rating, radial
C _{ur}	5.400 N	Fatigue load limit, radial
n _G	4.300 1/min	Limiting speed
n _{gr}	5.000 1/min	Reference speed
m	6,73 kg	Masa



Mounting dimensions

$d_{a\ min}$	114 mm	Minimum diameter shaft shoulder
$D_{a\ max}$	201 mm	Maximum diameter of housing shoulder
$r_{a\ max}$	2,5 mm	Maximum fillet radius

Dimensions

$r_{\min}$	3 mm	Minimum chamfer dimension
D_1	179,14 mm	Shoulder diameter outer ring
D_2	184,58 mm	Caliber diameter outer ring
d_1	138,1 mm	Shoulder diameter inner ring

Temperature range

$T_{\min}$	-20 °C	Operating temperature min.
$T_{\max}$	150 °C	Operating temperature max.

Calculation factors

f_0	17	Calculation factor
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Właściwości

	Obciążenie promieniowe
	Obciążenie osiowe jednokierunkowe
	Obciążenie osiowe dwukierunkowe
	L _h Smarowanie dożywotnie, bezobsługowe
	Smarowanie smarem
	Uszczelnienie dwustronne
	Izolowane